

What is claimed is:

1. A closure for use with signal transmission devices comprising:
a flexible wrapper, and
5 a water resistant material.
2. The closure of claim 1 wherein the flexible wrapper is water resistant.
3. The closure of claim 1 wherein the flexible wrapper is water impermeable.
- 10 4. The closure of claim 1 wherein the flexible wrapper comprises paper, plastic or rubber.
5. The closure of claim 1 wherein the wrapper comprises an adhesive
15 material at its edge.
6. The closure of claim 1 further comprising a delivery device.
7. The closure of claim 6 wherein the delivery device comprises a porous
20 medium being open-celled.
8. The closure of claim 7 wherein the porous medium is compressible.

9. The closure of claim 8 wherein the delivery device comprises one or more layers of the porous medium.
10. The closure of claim 6 wherein the porous medium has a porosity of
5 between about 4 to about 25 pores per square inch.
11. The closure of claim 1 wherein the water resistant material is selected from the group consisting of a gel, a grease, an encapsulant and a potting material.
- 10 12. The closure of claim 11 wherein the water resistant material is water resistant.
13. The closure of claim 11 wherein the water resistant material is water impermeable.
- 15 14. The closure of claim 11 wherein the water resistant material is a self-healing conformable gel.
15. The closure of claim 11 wherein the water resistant material fills about
20 80% of the delivery device.
16. The closure of claim 11 wherein the delivery device comprises a top surface which is substantially free of the water resistant material.

17. A method of protecting a splice of a signal transmission device

comprising:

providing a closure comprising a flexible wrapper and a water
resistant material;

5 arranging the splice in contact with the water resistant material;

wrapping the flexible wrapper around the splice to bring the water
resistant material into 360° contact with the splice;

compressing the wrapped flexible wrapper in a manner to force the
water resistant material into voids in the splice; and

10 securing the closure to the signal transmission device.

18. The method of claim 17 wherein the flexible wrapper is water resistant.

19. The method of claim 17 wherein the flexible wrapper is water
15 impermeable.

20. The method of claim 17 wherein the flexible wrapper comprises paper,
plastic or rubber.

20 21. The method of claim 17 wherein the flexible wrapper comprises an
adhesive material at its edge.

22. The method of claim 17 wherein water resistant material is retained within a delivery device including a porous medium.

23. The method of claim 17 wherein the porous medium is open-celled.

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24. The method of claim 17 wherein the porous medium is compressible.

25. The method of claim 17 wherein the delivery device comprises one or more layers of the porous medium.

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26. The method of claim 17 wherein the porous medium has a porosity of between about 4 to about 25 pores per square inch.

27. The method of claim 17 wherein the water resistant material is selected from the group consisting of a gel, a grease, an encapsulant and a potting material.

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28. The method of claim 17 wherein the water resistant material is water impermeable.

29. The method of claim 17 wherein the water resistant material is a self-healing conformable gel.

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30. The method of claim 17 wherein the water resistant material fills about 80% of the delivery device.

31. The method of claim 17 wherein the delivery device comprises a top
5 surface that is substantially free of the water resistant material.

32. A kit for use with signal transmission devices comprising a closure including a flexible wrapper, a delivery device attached to the flexible wrapper, and a water resistant material retained in the delivery device;

10 a water impervious covering; and

one or more binders for securing the water impervious covering and the closure to the signal transmission device.

33. The closure of claim 6 wherein the delivery device comprises a breakable
15 container.

34. The closure of claim 6 wherein the delivery device comprises a breakable bead.

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